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10/602,880	06/25/2003	Kang Soo Seo	1740-000018/US	2259

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HARNESSE, DICKEY & PIERCE, P.L.C.
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EXAMINER

JONES, HEATHER RAE

ART UNIT	PAPER NUMBER
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2621

MAIL DATE	DELIVERY MODE
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01/02/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/602,880

Applicant(s)

SEO ET AL.

Examiner

Heather R. Jones

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed October 2, 2007 have been fully considered but they are not persuasive.

The Applicant argues on page 11, line 17 - page 12, line 2 that Kato et al. fails to disclose a data area storing at least one clip file of the multiple playback path video data; and a management area storing management information for managing reproduction of the multiple playback path video data, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file. The Examiner respectfully disagrees. Kato et al. discloses in Fig. 14 the area in which the clip files are stored and Fig. 32 along with paragraphs [0273]-[0280] discloses management information associated with the clip files containing their presentation time stamps. Therefore, Kato et al. meets the claim limitations and the rejection is maintained.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Kato et al. (U.S. Patent Application Publication 2002/0145702).

Regarding claim 1, Kato et al. discloses a computer readable medium having a data structure for managing reproduction of multiple playback path video data of a title, comprising: a playlist directory area storing a playlist directory including a plurality of playlist files, each playlist file identifying a portion of the multiple playback path video data and at least a portion of the playlist files associated with different playback paths (Fig. 14; paragraph [0212]); at least one navigation information area storing navigation information at least providing information on one playback path (Figs. 20 and 21; paragraph [0182]); a data area storing at least one clip file of the multiple playback path video data (Fig. 14); and a management area storing management information for managing reproduction of the multiple playback path video data, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim 2, Kato et al. discloses all limitations as previously discussed with respect to claim 1 including that a group of playlist files is associated with each playback path (Figs. 70 and 72).

Regarding claim 3, Kato et al. discloses all limitations as previously discussed with respect to claims 1 and 2 including that the navigation information at least provides information linking one playlist file to another playlist file in the same playback path (Figs. 29, 31, and 90).

Regarding claim 4, Kato et al. discloses all limitations as previously discussed with respect to claims 1-3 including that the different playback paths of the title are different stories of the title (Fig. 72 – different PID numbers indicate the different stories).

Regarding claim 5, Kato et al. discloses all limitations as previously discussed with respect to claims 1 and 2 including that the navigation information indicates a next playlist file to playback after a particular playlist file is played back (Figs. 29 and 31).

Regarding claim 6, Kato et al. discloses all limitations as previously discussed with respect to claim 1 including that the navigation information at least provides information linking one playlist file to another playlist file in the same playback path (Figs. 29, 31, and 90).

Regarding claim 7, Kato et al. discloses all limitations as previously discussed with respect to claims 1 and 6 including that the different playback paths of the title are different stories of the title (Fig. 72 – different PID numbers indicate the different stories).

Regarding claim 8, Kato et al. discloses all limitations as previously discussed with respect to claim 1 including that the navigation information

indicates a next playlist file to playback after a particular playlist file is played back (Figs. 29 and 31).

Regarding claim 9, Kato et al. discloses all limitations as previously discussed with respect to claim 1 including that the data area stores a plurality of clip files of the multiple playback path video data (Fig. 14), and the video data for each playback path is stored in a different clip file (Fig. 92).

Regarding claim 10, Kato et al. discloses a computer readable medium having a data structure for managing reproduction of multiple playback path video data, comprising: a playlist directory area storing a playlist directory including a plurality of playlists, at least a number of the playlists divided into groups and each group associated with a different playback path (Fig. 14, paragraph [0212]); a data area storing at least one clip file of the multiple playback path video data (Fig. 14); and a management area storing management information for managing reproduction of the multiple playback path video data, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim 11, Kato et al. discloses all limitations as previously discussed with respect to claim 10 as well as the computer readable medium comprising at least one navigation information area storing navigation information

at least providing information on one playback path (Figs. 20 and 21; paragraph [0182]).

Regarding claim **12**, Kato et al. discloses all limitations as previously discussed with respect to claims 10 and 11 including that the navigation information at least provides information linking one playlist file to another playlist file in the same playback path (Figs. 29, 31, and 90).

Regarding claim **13**, Kato et al. discloses all limitations as previously discussed with respect to claims 10-12 including that the different playback paths of the title are different stories of the title (Fig. 72 – different PID numbers indicate the different stories).

Regarding claim **14**, Kato et al. discloses all limitations as previously discussed with respect to claims 10 and 11 including that the navigation information indicates a next playlist file to playback after a particular playlist file is played back (Figs. 29 and 31).

Regarding claim **15**, Kato et al. discloses all limitations as previously discussed with respect to claim 10 including that the data area stores a plurality of clip files of the multiple playback path video data (Fig. 14), and the video data for each playback path is stored in a different clip file (Fig. 92).

Regarding claim **16**, Kato et al. discloses a method of reproducing multiple playback path video data from a recording medium, comprising:
receiving user input selecting one of the playback paths; reproducing at least one playlist associated with the selected playback path based on navigation

information recorded on the recording medium (Figs. 14, 20, and 21; paragraphs [0182] and [0212]); producing at least one clip file of the multiple playback path video data from the recording medium (Fig. 14); and reproducing management information for managing reproduction of the multiple playback path video data from a management area of the recording medium, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim 17, Kato et al. discloses all limitations as previously discussed with respect to claim 16 including that the reproducing step reproduces a group of playlists based on the navigation information (Figs. 29, 31, and 90).

Regarding claim 18, Kato et al. discloses a method of recording a data structure for managing reproduction of at least video data on a recording medium, comprising: recording a playlist directory including a plurality of playlist files in a playlist directory area of the recording medium, each playlist file identifying a portion of the multiple playback path video data and at least a portion of the playlist files associated with different playback paths (Fig. 14; paragraph [0212]); and recording navigation information in at least one navigation information area of the recording medium, the navigation information at least providing information on one playback path (Figs. 20 and 21; paragraph

[0182]); recording at least one clip file of the multiple playback path video data in a data area of the recording medium (Fig. 14); and recording management information for managing reproduction of the multiple playback path video data in a management area of the recording medium, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim 19, Kato et al. discloses a method of reproducing a data structure for managing reproduction of at least video data, comprising: reproducing navigation information from at least one navigation information area of the recording medium, the navigation information at least providing information on one playback path (Figs. 14, 20, and 21; paragraphs [0182] and [0212]); and reproducing at least one playlist file in a playlist directory area of the recording medium based on the navigation information, each playlist file identifying a portion of the multiple playback path video data and at least a portion of the playlist files associated with different playback paths (Figs. 29, 31, and 90); reproducing at least one clip file of the multiple playback path video data from the recording medium (Fig. 14); and reproducing management information for managing reproduction of the multiple playback path video data from a management area of the recording medium, the management information including an information file associated with each clip, each information file

providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim 20, Kato et al. discloses an apparatus for recording a data structure for managing reproduction of at least video data, comprising: an optical recording device configured to record data on a recording medium; an encoder (15) for encoding at least video data; and a controller (23) configured to control the optical recording device to record at least one clip file of the encoded video data in a data area on the recording medium, the controller configured to control the optical recording device to record a playlist directory including a plurality of playlist files in a playlist directory area of the recording medium, each playlist file identifying a portion of the multiple playback path video data and at least a portion of the playlist files associated with different playback paths, the controller configured to control the optical recording device to record management information for managing reproduction of the encoded video data in a management area of the recording medium, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]); and the controller (23) configured to control the optical recording device to record navigation information in at least one navigation information area of the recording medium, the navigation information

at least providing information on one playback path (Fig. 1; paragraph [0150]).

Regarding claim **21**, Kato et al. discloses an apparatus for reproducing a data structure for managing reproduction of at least video data, comprising: an optical reproducing device configured to reproduce data recorded on a recording medium; and a controller (23 and 28) configured to control the optical reproducing device to reproduce navigation information from at least one navigation information area of the recording medium, the navigation information at least providing information on one playback path; the controller configured to control the optical reproducing device to reproduce at least one clip file of the at least video data from a data area of the recording medium (Fig. 14); the controller (23 and 28) configured to control the optical reproducing device to reproduce at least one playlist file in a playlist directory area of the recording medium based on the navigation information, each playlist file identifying a portion of the multiple playback path video data and at least a portion of the playlist files associated with different playback paths (Fig. 1; paragraphs [0152] and [0153]), and the controller configured to control the optical reproducing device to reproduce management information for managing reproduction of the at least video data in a management area of the recording medium, the management information including an information file associated with each clip, each information file providing a map for the associated clip file, each map containing presentation time information corresponding to address information for the associated clip file (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim **22**, Kato et al. discloses all limitations as previously discussed with respect to claim 20 including the multiple playback path video data are represented by packets; and each map maps presentation time stamps to packet addresses (Fig. 32; paragraphs [0273]-[0280]).

Regarding claim **23**, Kato et al. discloses all limitations as previously discussed with respect to claim 20 including that a group of playlist files is associated with each playback path (Figs. 70 and 72).

Regarding claim **24**, Kato et al. discloses all limitations as previously discussed with respect to claims 20 and 23 including that the navigation information at least provides information linking one playlist file to another playlist file in the same playback path (Figs. 29, 31, and 90).

Regarding claim **25**, Kato et al. discloses all limitations as previously discussed with respect to claim 21 including that a group of playlist files is associated with each playback path (Figs. 70 and 72).

Regarding claim **26**, Kato et al. discloses all limitations as previously discussed with respect to claims 21 and 24 including that the navigation information at least provides information linking one playlist file to another playlist file in the same playback path (Figs. 29, 31, and 90).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather R. Jones whose telephone number is 571-272-7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and every other Fri.: 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

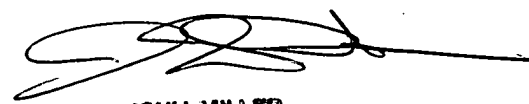
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Heather R Jones
Examiner
Art Unit 2621

HRJ
December 22, 2007



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SUPERVISORY PATENT EXAMINER
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